

Claims

1. A compression connector for securing wires therein, the compression connector comprising:

a first body portion having a first pair and a second pair of leg portions extending therefrom to form a first conductor receiving channel and a second conductor receiving channel, respectively;

a second body portion connected to the first body portion, the second body portion having a third pair and a fourth pair of leg portions extending therefrom to form a third conductor receiving channel and a fourth conductor receiving channel, respectively;

a first pair of slots extending between the first pair and the third pair of leg portions, and a second pair of slots extending between the second pair and the fourth pair of leg portions, the first pair of slots and the second pair of slots receiving a cable tie for securing wires therein before crimping; and

at least one transversely-oriented slot extending between the first pair of slots and the second pair of slots.

2. The compression connector of claim 1 wherein a central body portion connects the first body portion and the second body portion.

3. The compression connector of claim 1 wherein the first pair and the second pair of leg portions have diagonally opposed symmetry.

4. The compression connector of claim 1 wherein the first pair and the second pair of leg portions have same-side symmetry.

5. The compression connector of claim 1 wherein the third pair and the fourth pair of leg portions have diagonally opposed symmetry.

6. The compression connector of claim 1 wherein the third pair and the fourth pair of leg portions have same-side symmetry.

7. The compression connector of claim 1 wherein each of the first pair, the second pair, the third pair and the fourth pair of leg portions are substantially parallel.

8. The compression connector of claim 1 wherein two transversely-oriented slots extend between the first pair of slots and the second pair of slots.

9. A compression connector for securing wires therein, the compression connector comprising:

a first body portion having a first pair and a second pair of leg portions extending therefrom to form a first conductor receiving channel and a second conductor receiving channel, respectively;

a second body portion connected to the first body portion, the second body portion having a third pair and a fourth pair of leg portions extending therefrom to form a third conductor receiving channel and a fourth conductor receiving channel, respectively;

a first pair of slots extending between the first pair and the third pair of leg portions, and a second pair of slots extending between the second pair and the fourth pair of leg portions, the first pair of slots and the second pair of slots receiving a cable tie for securing wires therein before crimping; and

an aperture extending through the first body portion or the second body portion.

10. The compression connector of claim 9 wherein the aperture extends longitudinally therethrough.

11. The compression connector of claim 9 wherein the aperture extends transversely therethrough.

12. The compression connector of claim 9 wherein a central body portion connects the first body portion and the second body portion.

13. The compression connector of claim 12 wherein the aperture extends through the first body portion and the central body portion.

14. The compression connector of claim 12 wherein the aperture extends through the second body portion and the central body portion.

15. The compression connector of claim 12 wherein the aperture extends through the first body portion, the central body portion and the second body portion.

16. The compression connector of claim 9 wherein the first pair and the second pair of leg portions have diagonally opposed symmetry.

17. The compression connector of claim 9 wherein the first pair and the second pair of leg portions have same-side symmetry.

18. The compression connector of claim 9 wherein the third pair and the fourth pair of leg portions have diagonally opposed symmetry.

19. The compression connector of claim 9 wherein the third pair and the fourth pair of leg portions have same-side symmetry.

20. The compression connector of claim 9 wherein each of the first pair, the second pair, the third pair and the fourth pair are substantially parallel.

21. A method of securing wires in a compression connector comprising the steps of:

providing a compression connector comprising a first body portion having a first pair and a second pair of leg portions extending therefrom to form a first conductor receiving channel and a second conductor receiving channel, respectively, a second body portion connected to the first body portion, the second body portion having a third pair and a fourth pair of leg portions extending therefrom to form a third conductor receiving channel and a fourth conductor receiving channel, respectively, a first pair of slots extending between the

first pair and the third pair of leg portions, and a second pair of slots extending between the second pair and the fourth pair of leg portions, the first pair of slots and the second pair of slots receiving a cable tie for securing wires therein before crimping, and an aperture extending through the first body portion or the second body portion;

inserting run wires and tap wires into the compression connector;

retaining the run wires and the tap wires in the compression connector prior to crimping; and

crimping the compression connector.

22. The method of claim 21 further including the step of removing the cable tie from the compression connector after crimping.

23. The method of claim 21 wherein the retaining step comprises positioning a cable tie around the run wires and the tap wires.

24. The method of claim 21 wherein the retaining step comprises positioning a first cable tie around the tap wires, and positioning a second cable tie around the run wires and the tap wires.